

# Memorandum

To: ALL CONSTRUCTION SENIORS and ABOVE  
ALL RESIDENT ENGINEERS

Date: August 3, 2000

File: Construction

Program

Directive CPD-00-6

From: **DEPARTMENT OF TRANSPORTATION**  
**Construction Program**  
**Mail Station #44**

Subject: Portland Cement Concrete Pavement (PCCP) Transverse Weakened Plane Joint Spacing

There is an error in the July 1999 Standard Plans regarding portland cement concrete pavement transverse weakened plane joint spacing on Standard Plans A35A and A35B. Note 1, on both Standard Plans A35A and A35B, states that the repetitive spacing is 3.6, 4.0, 4.3, and 4.6 meters. This spacing is in error. The spacing should be changed to 3.6, 4.6, 4.0, and 4.3 meters.

This change is necessary because spacing from smaller to largest may amplify a vehicle's deflections as it passes over these joints. Random repetitive joint spacing has proven to have a more dampening effect. Reduced vehicle deflections will provide for a smoother and more comfortable ride.

The resident engineer should review the contract documents and if these Standard Plans are in error, a change is required. This change should be documented by a "no cost/no change" construction change order.

An example of a contract change order and the accompanying memorandum are attached for the resident engineer to use. These documents are also available in electronic form at <http://babycray2.caltrans.ca.gov/hq/construc/cpd/cpdindex.htm>.

If you have any questions regarding this issue, please contact Ray Tsztoo of the Office of State Pavement Design at (916) 653-5507 or Terrie Bressette of the Construction Program at (916) 654-4135.

**ROBERT PIEPLOW**  
Acting Program Manager  
Construction

Attachment

c: JDobrowolski; SJarvis; TBressette; Construction Coordinators